

Del Norte County
Public Works Facility
700 Fifth Street
Crescent City, Del Norte County

Notice of Proposed No Further Action related to petroleum discharges.
Comment Period ends October 5, 2002

History: The tank was a 1,000 gallon steel underground storage tank which had been used to store diesel to provide heating fuel for the Public Works Facility. The tank was located on the north side of the building. The tank failed a tightness test on August 4, 1993; and was taken out of service in August 1994. Evans Construction removed the tank and associated piping on November 19, 1998. The tank was in poor condition; severely corroded with several large holes. Visible hydrocarbon contamination was observed in the soil at the west end of the tank during tank removal activities. Groundwater was not encountered during tank removal/excavation activities. Two soil samples were taken at 6 feet below ground surface, one from the east and west ends of the tank. Soil analytical results indicated Total Petroleum Hydrocarbons as diesel (TPHD) in concentrations ranging from 3,400 ug/Kg to 17,000 ug/Kg.

Soil and Groundwater Sampling: On March 7, 2002, SHN supervised the installation of 6 soil borings (B-1 through B-6). Two additional soil borings (B-7 and B-8) west and southwest of soil boring B-2 were installed on July 10, 2002. Soil and groundwater samples were collected from these borings. TPHD (2.0 ug/g) was only detected in soil boring B-5 9 (below the former UST cavity). TPHD, benzene, toluene, ethylbenzene, xylenes and MtBE were not detected in any of the other soil samples. Benzene (1.0 ug/L) was detected in a groundwater sample from boring B-6. TPHD was detected in groundwater in one boring (B-2) located within 20 feet of the former UST cavity.

Sensitive Receptor Survey: A sensitive receptor survey was performed for a 1,000-foot radius, and a door-to-door survey was performed for a 300-foot radius from the former location of the UST. Several residences and businesses are located within a three hundred foot radius from the site. All of the facilities are supplied by municipal water. One storm drain is present approximately 300 feet west of the site (on 5th Street in front of the Del Norte County Sheriff's Office). No utility trenches were observed in the vicinity of the former UST. No water supply wells are located within the search radius. No surface waters or sensitive environmental habitats were observed within the search radius.

Conclusions:

- The source (UST and piping) has been removed.
- An extremely low concentration of TPHD (2.0 ug/g) was detected in the soil from boring B-5 (below the former UST cavity).
- Petroleum hydrocarbons were not detected in any other soil samples collected.
- A low concentration of TPHD (220 ug/L) was detected in groundwater in one boring located within 20 feet of the former UST cavity.

- The concentration of benzene (1.0 ug/L) detected in boring B-6 meets the water quality goal for benzene (1.0 ug/L).
- MtBE was not detected in soil or groundwater during the March 7, 2002 subsurface investigation or the July 10, 2002 additional site investigation (B-7 and B-8).
- Groundwater measurements taken on March 7, 2002 indicate groundwater flows to the southeast.
- No impacts to sensitive receptors were identified.
- The extent of the low-level residual diesel contamination is confined to within 20 feet of the former UST cavity.

Related documents and file information are available for review for thirty days. Please contact Ron Allen (aller@rb1.swrcb.ca.gov) with any questions.

Unless additional comments are received with significant new information, the Regional Water Board staff plans to concur with no further action upon close of the comment period.